



# AVIATION PROJECTS

Leading advisors on aviation safety, security, efficiency and sustainability

**Aviation Projects** is a leading consultancy to airport owners, operators, regulators and service providers in Australia and the Asia Pacific region, specialising in the safety, security, efficiency and sustainability of airports, aircraft operations and airspace.

Spearheaded by former RAAF fighter pilot and highly respected industry expert, Keith Tonkin, Aviation Projects has a local presence in key locations across Australia and the capacity to manage major and smaller projects both here and throughout the broader Asia Pacific region.

**Aviation Projects** delivers innovative design solutions to complex problems that involve airport upgrades, master plans, risk management for new and existing airports, wind farms, and building developments that affect airspace.

We work to ensure airports achieve compliance with all aviation laws and obligations in an innovative, efficient and cost effective way.

## Our Services

### Airport Planning and Design

Aviation Projects considers how airports can address their limitations to provide potential for greater efficiency and increasing aircraft size, flight frequency and, in turn, the number of paying passengers.

We apply our detailed expertise to focus on delivering safe, secure, efficient and sustainable outcomes for the needs of every client and are renowned for our strategic approach and meticulous attention to detail in all planning activity including:

- *Airport strategic and operational master plans*
- *Airport options development, upgrade planning including peer reviews before construction*
- *Planning scheme interpretation in support of development applications*
- *Applications for exemption from regulatory requirements*
- *Knowledge management*
- *Business planning and insurance*

- *Treatment plans*
- *Aircraft performance analysis*
- *Air Traffic Control (ATC) tower and Aerodrome Rescue and Fire Fighting Services (ARFFS) facilities siting studies*
- *Airspace protection*
- *Airspace and instrument procedure requirements, particularly pertaining to airport upgrades*

### Aerodrome Safeguarding

Aviation Projects understands the vital economic and community benefits of airports and the need for planning to ensure their safe and efficient operation over the long term. This includes positive land use planning to avoid a range of issues and problems such as aircraft safety hazards, operational restrictions, protracted litigation, amenity impacts for nearby residents and airport closures.

We undertake research and produce reports to ensure the safety of aircraft, passengers and crews while in the vicinity of an airport, including take offs and landings. We ensure communities surrounding airports are made aware of the potential impacts of aircraft operations (particularly aircraft noise) and that these considerations influence good planning decisions to minimise effects on people and airports.

### Aviation Safety

Aviation Projects investigates and assists aviation regulators, all levels of government, airports and commercial developers with identifying and addressing aviation safety issues. We ensure a comprehensive approach to aerodrome development by delivering:

- *Safety case analysis*
- *Rigorous risk assessments*

## Wind Farms and Infrastructure

Wind farms, building developments, cranes, power lines and telecommunications towers all pose potential aviation safety risks and there are legal requirements to prepare assessments of potential aviation impacts when seeking planning approvals. Aviation Projects offers:

- *Pre-feasibility / fatal flaw analysis*
- *Aviation safety hazard and impact assessments or studies*
- *Obstacle lighting requirements*
- *Due diligence*
- *Compliance reporting of aeronautical data pre- and post-construction*

## Expert Witness

Aviation Projects Managing Director, Keith Tonkin, is one of the world's leading aviation experts. Keith is directly engaged by law firms, government agencies and private companies to deliver key evidence in environmental and development planning cases. He is also called upon to provide evidence in aviation liability matters.

With a Master of Business Administration (Aviation Management) and a 25-year history flying F-111 fighter jets and Caribous with the Royal Australian Air Force, followed by a career flying internationally and domestically for Qantas, Keith is highly sought after for his views in courts of law and during aviation investigations.

## Flying Operations

As experienced commercial and military pilots we have an intuitive understanding of aircraft operations along with regulatory requirements and governance obligations. We also have strong expertise in civil aviation, a sector which is expanding worldwide.

Aviation Projects specialises in the development and delivery of best practice solutions for civil aircraft owners, operators, regulators and service providers wanting tangible results. Our expertise includes:

## Planning

- *Strategic and operational planning*
- *Business planning*
- *Insurance requirements*

## Operations

Compliance with relevant regulations and standards including:

- *Civil Aviation Safety Regulations and Safety Management Systems*
- *Transport Security Programs*
- *Third party assurance programs, including flight operations audits*
- *Development and implementation of tailored corporate aviation policies*
- *Expert advice on operational issues and implementation of compliance programs*
- *Design, preparation and management of manuals and documentation*

## Management

- *Advocate for you by negotiating with airport operators on your behalf regarding service provision and fees*
- *Provide advice on financial statements, costings and budgets*
- *Project manage on your behalf*
- *Staff training*
- *Affiliations with communication professionals to manage marketing and corporate communications projects*
- *Audit and scrutinise subsidy proposals and contracts for transport regulators*

## Brisbane Head Office

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